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# powerPerfactor Newsletter

## SME'S GETTING A BREAK

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**ENERGY  
SOLUTIONS EXPO**  
EFFICIENT SUSTAINABLE RENEWABLE  
8-9 OCTOBER 2008 LONDON OLYMPIA

Don't forget the big energy event starting tomorrow at Olympia in London on the 8th-9th. You will find us on stand C168 in the Grand Hall. If you haven't had a chance to attend one of our Voltage Optimisation Workshops this is the perfect opportunity to attend a seminar being given by our CEO Angus Robertson, it will take place at 10am tomorrow the 8th in the Seminar Theatre in the Grand Hall.... If you haven't registered already click on the web link for free entry.....See you there...

Exhibition Footnote. We are delighted to announce that we have been shortlisted for a 'Working Buildings Innovation Award' the award ceremony will take place on Wednesday at the Exhibition.

### BOOST FOR SMALL BUSINESSES FROM CT FUNDING



Small businesses struggling for credit during the credit crunch received a boost this week as the Carbon Trust announced it has doubled the maximum size of its interest-free Energy Efficiency loans from £100,000 to £200,000 - and increased the overall loans pot by 45 per cent to £31 million this year.

The move is in response to the difficult market conditions and will enable small businesses to implement energy saving projects on a far more ambitious scale than previously possible.

Your powerPerfactor installation may qualify for CT funding, to find out more, please ring a member of our private sector team who will be able to talk you through the process.

### HM Prison Service Wins 'Wales Sustainability Award'



#### Special Award for Public Sector

HM Prison Service Wales is responsible for around 1590 prisoners in four prisons - Cardiff, Prescoed, Swansea and Usk. The Wales Prisons Estates Management Group is responsible for the maintenance and energy consumption of the four public prisons in Wales. The team at the Wales Prisons Estates Management Group have developed a carbon reduction strategy that has been in place for three years. In that time they set specific

goals they wanted to meet and in achieving those goals have produced savings of 1,183 tonnes CO2 reduction per annum.

The single measure that has delivered the majority of those savings across the estate has been the installation of powerPerfactor voltage optimisers at each of the sites. The team in Estates Management identified the potential for savings through powerPerfactor and further to a successful trial at Cardiff Prison rolled out the technology across the estate achieving savings of 13%.

The judges were impressed not only by the clear planning and effective execution, but also the choice of technology and the hurdles they overcame to make it happen.

**CONGRATULATIONS TO ALL THOSE INVOLVED**

### BOURNE TO BE GREEN



Littlecote House Hotel is a stunning 16th century mansion set in exquisite manicured lawns, offering it's guests spa facilities, indoor pool, and fine restaurant in surroundings with more than a hint of historical romance, this was once the venue for the wooing of Jane Seymour by Henry VIII.

Energy management is an important element of running a successful hotel chain and Bourne Leisure, who own the Warner Leisure Hotel Group

are installing powerPerfactor units in several sites around the UK to assist in their Carbon Reduction and Energy Efficiency program.

A 420kVA powerPerfactor unit with a 9% Optimisation setting was installed at Littlecote House Hotel on 18th July 2008. Early reports show the kWh consumption for the site is 11.5% below the expected average, equating to a projected annual emissions saving of 61,700 kg of carbon dioxide.

Proving luxury needn't cost the planet...

#### Darren Scutter, Strategic Projects Manager Warner Leisure Hotels

*"The powerPerfactor units we have installed are playing a pivotal role in our objective of reducing energy consumption at our hotels and early indications are that we will achieve a 2 year payback. I have been most impressed with the level of service provided by the team at powerPerfactor, from initial data logging and appraisal to installation through to post installation review, it really has been hassle free."*

### STAGGERINGLY GOOD RESULTS FOR RETAILERS



As ASDA continue with their energy efficiency programme the results from the powerPerfactored sites continue to roll in. Most recently with those of the Blackburn store, an installation of a 1000kVA pP-unit with an 8% Optimisation achieving savings of 16.8% and the Cookstown Store a 560kVA pP-unit with a 5% Optimisation producing savings of 13.5%.

The results for the case studies are provided by independent savings analysis conducted by 'Energy ICT'.

ASDA case studies on the website

### PARTNERS WORKSHOPS COMING SOON



A big thank you to our guest speaker David Jones, of Jones Partnership for addressing the delegates at our September workshop.

This was an opportunity for us all to hear about the impressive benefits that a well informed, excellent consultant can bring to their client base. It also confirmed the need to address the many requests we have received from other Consultants for a workshop to address their specific needs.

Therefore, due to increasing demand we have decided to add to our workshop programme, and will be holding two

Voltage Optimisation Workshops next month and going forward. The first will be our usual highly popular full VPO technical briefing, with case study workshop and guest speaker. This will take place on Wednesday 12th November . The second will be specifically for Consultants and Partners and will take place on Wednesday 19th November.

Attendance to all our Workshops is free, but by invitation only, so if you wish to attend please make your request to me at the email address below...

Consultants look out for your personal invite which will follow shortly...

### BIG CHILL AT DYNEX



Dynex Semiconductor is a global supplier of products and services specialising in the field of power semiconductors and integrated circuit products.

Dynex power products are used to improve the efficiency, reliability and quality of the electric power in; heavy industries such as steel and mining and factory automation.

Obviously running their own sites as efficiently as possible is high on the agenda, and they are rolling out powerPerfector as part of a continued program to reduce kWh consumption and their Carbon Footprint.

A 210kVA powerPerfector unit with an 8% optimisation was installed on Chiller I at Dynex Semiconductor on 10th February 2008. Analysis of the electricity consumption since the installation of the powerPerfector indicates that average consumption is 16% lower than the expected level for temperature based on a degree day analysis. This equates to a projected annual saving of £9,560 and 41,062 kg of carbon dioxide emissions.

### THE POWERPERFECTED FALCONS



Creating a powerPerfected blur around the football pitch and proving that investment defiantly boosts confidence, our fabulous Falcons scored an impressive 5. 0. win in their first game of the season.

It's amazing what optimisation can do!!!

powerPerfector

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